


July 14, 1952

Status of ORE Activities thru 31 December 1946.

5. The following units of this Office have not as yet been activated:
.....Scientific Branch..... Efforts to establish these
units are in progress.

TAB "C" ORE REVIEW OF INTERDEPARTMENTAL INTELLIGENCE PROPOSALS
25X1D



TAB "D" ORE RECOMMENDATIONS FOR ESTABLISHMENT OF INTERDEPARTMENTAL INTELLIGENCE PROGRAM

I Guide to Collection of Scientific Information -(Current)

1. Origin:: ORE on its own initiative.
2. Purpose: To coordinate an interagency project for the compilation of a guide for use of collecting agencies in procuring required scientific intelligence information.
3. ORE Responsibility: To initiate and coordinate the preparation of the guide.
4. Status: ICAPS has approved of project and has requested ORE to obtain informal consensus of interested agencies prior to the formal presentation of the project to IAB. ORE is in the process of contacting the members agencies of IAB as requested.

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Progress Report; January 1947

4. The Scientific Branch was activated 23 January 1947, and in addition to representing CIG interests in Scientific Intelligence, it is currently engaged in analysing available Scientific Intelligence Information, and rendering assistance to the Joint Research and Development Board in this respect. A final report from a technical viewpoint on Guided Missiles over Sweden has been completed in draft form.

Tab C Planning Activities

I. New Projects

3. National Intelligence Requirements, Russia (Scientific)

- a. Revised the ORE draft at ICAPS request of NIR - Russia (Scientific) in shortened form, and arranged for fulfillment of deleted items representing A-2, G-2, and ONI requirements through collection directives issued by OCD.
- b. Concurred in final draft of NSIR-Russia (Scientific) prior to presentation to IAB for approval.

4. Russian Guided Missile Program.

- a. 21 January 1947, represented ORE at an inter-agency conference arranged by ICAPS for coordination of inter-agency intelligence activities in this field. The meeting concluded that CIG was the appropriate agency to accomplish such coordination. It was revealed that A-2 and ONI are actively engaged in this field.
- b. Further action by ORE will include its recommendations for establishing a committee and a program of operations for this effort.

Status Report; March 1947

Tab "D" Part III Scientific Branch

1. Discussions with representatives of OO, OCD, and Assistant Executive Director's Office were held as regards attaining a well defined working procedure governing the functions and operations of this Branch.
2. Major J. B. Taylor, liaison representative from JRDB, has spent some time each day since 24 March going through the material received in Scientific Branch and selecting what intelligence and information is desired. A formal requisition is then submitted daily to OCD for such information.
3. Various aspects of Scientific intelligence requirements were discussed at the Executive Council, JRDB meeting held 25 March. Utilization of liaison channels between JRDB and CIG was covered.
25X1A
4. [REDACTED] reported to the Chairman of JRDB, Dr. Bush, on 25 March, at which time he proffered the complete support of CIG Scientific Branch of

ORE in implementing the agreed-upon coordination of the two agencies. Personnel assignment was also discussed and Dr. Bush indicated continued effort on the part of JRDB to assist in staffing Scientific Branch.

5. Comprehensive collection requests in the field of biology and chemistry requirements in USSR were submitted to OCD, with copies going to JRDB for comment and information.

Scientific Branch has 14 professional employees and 7 clericals.

Status Report: February 1947 →

Tab "D" Part III Scientific Branch

1. JRDB paper 49/2, dated 10 January 1947, subject Program for JRDB-CIG Cooperation in the Field of Scientific Intelligence was received by the Branch and is being employed as the basis for planning the organization and program of activity of the Branch.
2. Comments on proposed legislation to create a National Science Foundation have been submitted to the CIG Legislative Advisor for necessary action.
3. ORE comments and recommendations regarding the proposed inter-agency Guided Missile Intelligence Committee were completed and forwarded to ICAPS for approval.
4. A comprehensive collection request covering subjects in the field of nuclear physics research in USSR was prepared and submitted to OCD for implementation. Similar lists covering other fields are in preparation.

Status Report: April 1947 →

4. Branch Activities.

a. The Northern Branch and the Nuclear Energy Group, Scientific Branch were activated during this period.

Tab "D" Part III Scientific Branch

1. Liaison between the Scientific Branch and various components of JRDB was increased in scope during the month through the efforts of the interim liaison representative from JRDB and personnel of the Scientific Branch. Current intelligence information and reports were made available to the permanent committee personnel of JRDB on a temporary loan basis. Security provisions concerned in this arrangement and within the entire membership of any JRDB committee or panel were discussed with the liaison representative. Satisfactory security exists so far as can be judged without investigation.
2. A program of National Scientific Intelligence Requirements is being considered by JRDB as well as the particular components of such program in the various committees and panels of JRDB. When an agreed-upon program of requirements is reached, the coordination of the intelligence producing agencies is required to implement the program. Army, Navy and Air Scientific-Technical Intelligence representatives in this connection have been requested by CIG.

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3. Pursuant to a directive by the Deputy Director, the Nuclear Energy Group, Scientific Branch has been established within ORE, to function in accordance with the mission prescribed in the Directive.

Status Report: May 1947

Tab "D" Part III Scientific Branch

1. Pursuant to action by the Deputy Director, CIG, Service Representatives of Air, Army and Navy were appointed to maintain continuing operational contact with ORE in order to develop and implement a National Scientific Intelligence Program, responsive to National Scientific Intelligence Requirements so developed in accordance with the provisions of NIA 8 and the JRDB.

2. In consultation with Intelligence Staff, the Branch formulated preliminary objectives of NSIR-USSR.

3. Particular efforts have been made toward recruitment of personnel for the Branch with respect to determination of availability of suitably qualified personnel from governmental agencies undergoing reduction-in-force action.

25X1A [REDACTED] was interviewed on 23 May as a possible candidate for Chief of the Branch.

4. The Nuclear Energy Group:

- a. Processed and evaluated 560 documents.
- b. Produced 54 documents for internal use.
- c. Produced 16 reports, five of which were submitted to the Director, CIG
- d. Has 5 continuing summaries in process.
- e. Conducted 44 conferences and interviews.
- f. Executed a total of 149 items of operational correspondence, including cables, letters and memoranda

Status Report: June 1947

4. Scientific Branch Activities.

a. Atomic Energy Commission. While no reply to the CIG proposal of 14 April 1947 outlining the basis for CIG-AEC relationships has been received from AEC, daily working level relations are continuing and AEC's intelligence requirements are being processed. A total of 70 communications between CIG and AEC have been processed during this period.

b. Joint Research and Development Board. Liaison with JRDB and participation in its committees and panels have continued in addition to the daily effort of meeting JRDB's intelligence requirements.

c. Scientific Intelligence Production. A factual study on the Rare Metals Industry in USSR produced by the Nuclear Energy Group was prepared and transmitted for publication and dissemination to OCD. Consideration was given to making this study a part of the Defense Project, which action would have

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resulted in delaying its availability to interested agencies. It was therefore decided to publish it as a separate study immediately and incorporate relevant parts into the Defense Project at a later date.

III. Proposals for Improvement

2. Projects Contemplated within the Near Future

a. A meeting with representatives of the scientific and technical intelligence units of the IAB agencies has been scheduled for 9 July to consider an integrated program for the production of scientific intelligence. JRDB will be represented at this meeting in the status of an observer.

tatus Report: July 1947

I. IMPLEMENTATION OF RECENTLY PROPOSED PLANS AND POLICIES

1. Interdepartmental Plans and Policies

b. Scientific Intelligence Program. On 9 July 1947, representatives of CIG, the IAB agencies and JRDB convened to discuss the subject of National Scientific Intelligence Requirements. Essential agreement was reached on the following points:

(1) That coordination of effort in the field was required and would be supported.

(2) That an inter-change between agencies of monthly reports summarizing intelligence research projects currently in process, and projected, by CIA and each IAB agency would facilitate coordination of effort and programming of intelligence research activities, scientific and otherwise, by all agencies. Tentative National Scientific Intelligence Requirements have been developed by ORE in collaboration with JRDB based upon consideration of those already established independently by Air, Army and Navy intelligence agencies, and in augmentation thereof.

Based upon a 17 July meeting with JRDB representatives, ORE initiated a project with a 1 September deadline to develop the scientific and technological capabilities of USSR which influence the national defense economy of the United States as of 1949.

The establishment of an officially approved working relationship between the Nuclear Energy Group and the Atomic Energy Commission has not as yet materialized. The CIG proposed plan was submitted to AEC on 14 April 1947.

II. ACCOMPLISHMENT OF OVERALL MISSION

5. Scientific Branch Activities

a. Reports to higher echelon of restricted dissemination:

(1) Estimate of the current world situation with regard to atomic energy, prepared for the Chief of Staff.

(2) Study of Russian potential, prepared for the Director of Central Intelligence

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 Reports for general dissemination:

Study of Rare Metals Industry of USSR.

c. Projects nearing completion:

- (1) National Strategic Intelligence Requirements for [REDACTED] 25X6
- (2) Report on Mineral Sands Industry [REDACTED] 25X6
- (3) Study of Operations and Results of Soviet Mining Activity in Soviet Controlled Germany and Czechoslovakia.

d. Projects newly initiated or whose completion date is uncertain:

- (1) World Survey of Actual Accomplishments or Potential of Foreign Nations in Field of Nuclear Energy.
- (2) Study, and Summarization for Intelligence Purposes, of Processes in Extraction of Uranium from Ore.
- (3) Study of Uses of Oxalic Acid in Industry.
- (4) Resume of Foreign Calcium Production.
- (5) Study of Russian Chemical Industry.
- (6) Study of Scientific Laboratories and Personnel [REDACTED] 25X6
- (7) Study of Reduction and Enrichment processes for Associated Ores.

e. Project for which coordination with USGS has been approved and fiscal appropriations have been granted:

Study of Suitability of Russian Rivers for an Atomic Energy Project.

f. Continuing studies of responsibilities:

- (1) Survey of Russian Scientific Literature on Nuclear Energy.
- (2) Long Range Detection of Atomic Explosions.

Status: Committee suggestions forwarded to IAB agencies with recommendations.

III. PROPOSALS FOR IMPROVEMENT

1. Paragraph 4 of the minutes of the 14th IAB Meeting reveals that the AEC memorandum, Subject: Atomic Energy Intelligence, was circulated to the IAB. It is believed that this and similar proposals having, or bearing on, substantive intelligence problems should be referred simultaneously to ORE and the IAB agencies. In principle, it is affirmed that ORE, as the exclusive intelligence research facility of the DCI, should be accorded an opportunity to consider and submit to the DCI, in advance of his meeting with the IAB, its recommendations regarding IAB matters pertaining to intelligence research and development.

Status Report: August 1947

I. IMPLEMENTATION OF RECENTLY PROPOSED PLANS AND POLICIES

1. Interdepartmental Plans and Policies

b. Scientific Intelligence Program. The project initiated by ORE (to develop for JRDB those scientific and technological capabilities of the USSR which will influence the National Defense economy of the United States as of 1949) is proceeding as satisfactorily as is possible with the scanty information available. Research on that part of the project scheduled for completion by 1 September brought out the lack of information of any importance additional to that supplied in the similar study dated 17 April.

II. ACCOMPLISHMENT OF OVERALL MISSION

6. Scientific Branch Activities

a. Reports to higher echelons:

Current summary of Russian nuclear energy project hand circulated.

b. Projects nearing completion:

25X6 (1) National Scientific Intelligence Requirements (Nuclear Energy) [REDACTED]

(2) Report on Mineral Sands Industry 25X6 [REDACTED]

(3) Study of Operations and Results of Soviet Mining Activity in Soviet Controlled Germany and Czechoslovakia.

(4) Study of uranium mining activity in Bulgaria.

c. Projects newly initiated or whose completion date is uncertain:

(1) Study and Summarization for Intelligence Purposes, of Processes in Extraction of Uranium from Ore.

(2) Study of Uses of Oxalic Acid in Industry

(3) Resume of Foreign Calcium Production.

(4) Study of Russian Chemical Industry.

(5) Study of Scientific Laboratories and Personnel 25X6 [REDACTED]

(6) Study of Reduction and Enrichment Processes for Associated Ores.

(7) Study of legislative measures in foreign countries for control of ores and research in field of atomic energy.

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d. Project for which coordination with USGS has been approved and fiscal appropriations have been granted:

Study of Suitability of Russian Rivers for an Atomic Energy Project.

Note: Progress on this project has been delayed pending security clearance for individuals involved.

e. Continuing studies or responsibilities:

- (1) Survey of Russian Scientific Literature on Nuclear Energy.
- (2) Long Range Detection Committee.
- (3) World Survey of Activities of Foreign Nations in the Field of Nuclear Energy.

Status Report: September 1947

I. IMPLEMENTATION OF RECENTLY PROPOSED PLANS AND POLICIES

1. Interdepartmental Plans and Policies

b. Scientific Intelligence Program

(1) Arrangements have been made through the Chief, Chemical Corps, Department of the Army, whereby the research personnel of Camp Detrick, Maryland, and Edgewood Arsenal are available for consultation on the intelligence aspects of Biological and Chemical Warfare activities, respectively.

(2) In order to estimate the capabilities of USSR scientific personnel, a list of 8,000 Soviet and German scientists, including relevant biographic and occupational data, was compiled by Reference Center for ORE and the IAB agencies. Data furnished by the latter was found to be inadequate, and inter-agency meetings are scheduled for the purpose of developing plans for bringing the data up to required standards.

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II. ACCOMPLISHMENTS OF OVERALL MISSION

c. CIA Staff Intelligence

(4) Scientific Intelligence.

(a) Summary report completed: List of Particle Accelerators for Work in the Atomic Energy Field in Possession of Foreign Nations. (Made on request from Atomic Energy Commission.)

(b) Projects nearing completion:

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25X6

1. National Scientific Intelligence Requirements
(Nuclear Energy)

- 2. Target List (Nuclear Energy) 25X6 [REDACTED]
- 3. Report on Mineral Sands Industry 25X6 [REDACTED]
- 4. Study of Operations and Results of Soviet Mining Activity in Soviet-Controlled Germany and Czechoslovakia.
- 5. Study of Uranium Mining Activity in Bulgaria.
- 6. Study of Legislative Measures in Foreign Countries for Control of Ores and Research in Field of Atomic Energy.

(c) Projects newly initiated or whose completion date is uncertain:

- 1. Detailed Analysis of the German Atomic Energy Project.
- 2. Study of Feasibility and Probability of Radioactive Warfare.
- 3. Study and Summarization for Intelligence Purposes of Processes in Extraction of Uranium from ORE.
- 4. Study of Uses of Oxalic Acid in Industry.
- 5. Resume of Foreign Calcium Production.
- 6. Study of Russian Chemical Industry.
- 25X6 7. Study of Scientific Laboratories and Personnel [REDACTED]
- 8. Study of Reduction and Enrichment Processes for Associated Ores.

(d) Project for which coordination with USGS has been approved and fiscal appropriations have been granted:

Study of Suitability of Russian Rivers for an Atomic Energy Project

(e) Continuing studies or responsibilities:

- 1. Survey of Russian Scientific Literature on Nuclear Energy.
- 2. Long Range Detection Committee.

Status Report: October 1947

I. IMPLEMENTATION OF RECENTLY PROPOSED PLANS AND POLICIES

1. Interdepartmental Plans and Policies

b. Scientific Intelligence Program

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Arrangements have been made with the concurrence of the Chief Signal Officer, Department of the Army, whereby the research personnel of the Signal Corps Laboratories, Fort Monmouth, New Jersey, are available for consultation on the scientific intelligence aspects of Signal Corps activities. The Commanding Officer of the laboratories has written to express appreciation of CIA cooperation in this field.

II. ACCOMPLISHMENT OF OVERALL MISSION

3. Intelligence Production

c. CIA Staff Intelligence

25X6 (3) Scientific Intelligence



SUPPLEMENT TO ORE Status Report, October 1947

Nuclear Energy Group (Scientific Branch) studies and projects for this period are summarized below:

1. Intelligence Reports and Projects Completed:

- a. Intelligence requirements (nuclear energy) 25X6
25X6
- b. Nuclear Energy target list 25X6
- c. Preliminary study of properties of vacuum pumps exported for ostensible use by Soviet industry.
- d. Study of legislative measures in foreign countries for control of press and research in the field of atomic energy.
25X1C
- e. 25X6
- f. Study of heavy water 25X6

2. Projects nearing completion or requiring additional coordination within the Group, with IAC Agencies, or consultants:

- a. Intelligence requirements (nuclear energy) 25X6
- b. Study of operations and results of Soviet mining activities in Soviet controlled Germany and Czechoslovakia.
25X6
- c. Report on mineral sands industry 25X6
- d. Study of Soviet mining activity in Bulgaria.

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e. Study and summarization for intelligence purposes of processes used in extration of uranium from ore.

3. Projects newly initiated or whose completion date is uncertain:
 - a. Study of suitability of Russian rivers for an atomic energy project.
 - b. Intelligence requirements (nuclear energy) 25X6 [REDACTED]
 - c. Resurvey of German atomic energy project.
 - d. Study of Russian chemical industry.
 - e. Cartographic study of sections of USSR.
 - f. Study of Soviet mining activities in Central Asia.
4. Continuing studies or projects:
 - a. Feasibility and probability of radioactive warfare.
 - b. Resume of foreign calcium production.
 - c. Survey of Russian scientific literature on nuclear energy.
 - d. Long range detection liaison with operating and cooperating agencies.

Status Report: November 1947

I. IMPLEMENTATION OF RECENTLY PROPOSED PLANS AND POLICIES

1. Interdepartmental Plans and Policies.
 - b. Scientific Intelligence Program
 - (1) Library of Congress.

This Office has asked Projects Review Committee to authorize the allocation of funds not to exceed \$20,000 to the Library of Congress for the preparation on a current basis of a "Bibliography of Current Soviet Scientific and Technical Periodicals". This project is necessary to aid adequate exploitation of this important source of intelligence.

- (2) Assistance to the Atomic Energy Commission.

The Nuclear Energy Group (Scientific Branch) assisted the Office of Security and Intelligence, Atomic Energy Commission, in organizing and developing procedures for its Intelligence Branch.

Status Report: January 1948

II. INTELLIGENCE PRODUCTION

5. Scientific Intelligence

The Scientific Branch completed five reports during January. A list of the scientific intelligence reports completed or in process is appended as Annex "E". (this annex is not appended)

IV. ADEQUACY OF Intelligence Information and Intelligence

1. Reporting from the Field.

c. Appraisal.

- (2) Scientific information received was generally inadequate in all categories. This appears to have been due in part to the lack of field personnel with technical competence to handle scientific intelligence.

Status Report: February 1948

II. INTELLIGENCE PRODUCTION

5. Scientific Intelligence

The Scientific Branch initiated work on two projects during February. One was a survey of Soviet Aeronautical Research and Development, including Soviet use of German knowledge and personnel. The other was a survey of the present abstracting coverage of Soviet chemical literature in order to:

a. Determine the adequacy of chemical abstracts with regard to:

- (1) Completeness of coverage of the known Soviet Journals;
- (2) Time lags incurred in the abstracting and publication of abstracts; and
- (3) Dependability from a technical viewpoint.

b. Detect the possible suppression of technical publications.

c. Indicate trends toward increasing or decreasing activity in various fields of chemical research.

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Status Report: April 1948

II. Intelligence Production

5. Scientific Intelligence

It is becoming apparent that the Scientific Intelligence produced by the other intelligence agencies is primarily concerned with applied science (technological developments) rather than with developments in the field of basic scientific research. It is this latter field that is being emphasized in the planning for CIA's production of scientific intelligence. This divergence of interest may cause difficulties at a later date when the question of assigning collection priorities to collectors of scientific information arises. This possibility should be considered in the planning for utilization of scientific attaches.